



Integrating Edmodo Into A High School Service Club: *To Promote Interactive Online Collaboration*

Bruce Gushiken
University of Hawaii at Manoa



About Me

- High school mathematics teacher for 16 years



About Me

- High school mathematics teacher for 16 years
- Leo Club advisor for 9 years



About Me

- High school mathematics teacher for 16 years
- Leo Club advisor for 9 years
- ETEC Master's degree candidate



A Quick Poll

Are you a classroom teacher?



Yes



No

A Quick Poll: Who is Hong Yin?

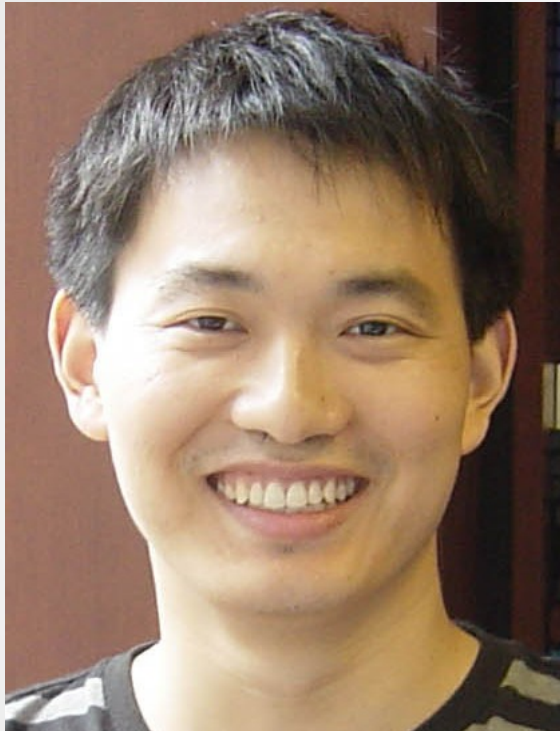


A



B

A Quick Poll: Who is Hong Bo?

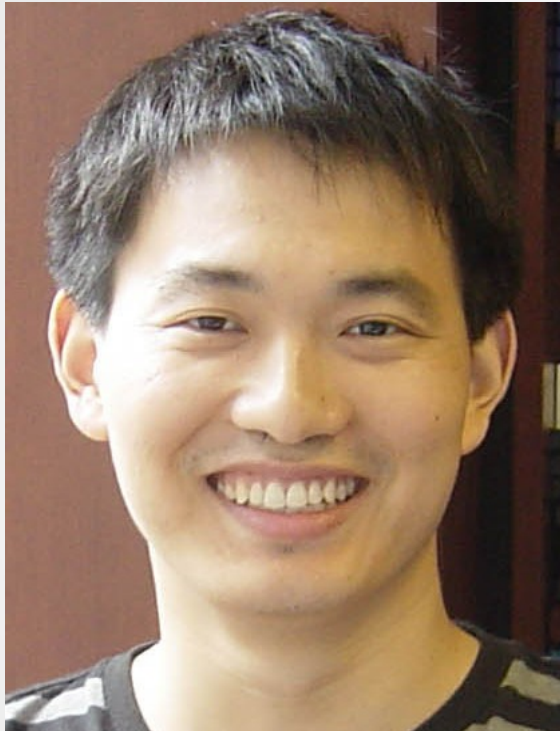


A



B

Nice To Meet You!



Hong Bo



Hong Yin

In The Beginning (2004)



- Took over co-advisor duties

In The Beginning (2004)



- Took over co-advisor duties
- Less than 20 members

In The Beginning (2004)



- Took over co-advisor duties
- Less than 20 members
- Half were seniors

Recruitment Begins (2005)

- Freshmen Orientation



Recruitment Begins (2005)

- Freshmen Orientation
- Club Day



Recruitment Begins (2005)

- Freshmen Orientation
- Club Day
- Over 50 members



Today

- Over 180 members



Today

- Over 180 members
- Voted “Best Large Club” 8 years in a row



Today

- Over 180 members
- Voted “Best Large Club” 8 years in a row
- Members have travelled to Japan, Finland



Today

- Over 180 members
- Voted “Best Large Club” 8 years in a row
- Members have travelled to Japan, Finland
- College scholarships



Who Are They?

Gha Ming
Hayato
Jae Woo
Jia Jie
Jian Wei
Jin Hua
Kim Yen
Min Yu

Nga Ying
Qi Lin
Quyen
Sang Hoon
Soo Youn
Taizha
Thieu Huy
Xiaofei

Ying Yi
Yingyin
Yongqi
Yu Kyung
Yu Tao
Yu Wen
Zarek
Zhi Qiang



Why Are They Leaving?

- Unable to sign up for activities they want



Why Are They Leaving?

- Unable to sign up for activities they want
- Unable to attend meetings



Why Are They Leaving?

- Unable to sign up for activities they want
- Unable to attend meetings
- Unable to receive updates in a timely manner



Introduction

- Need an efficient way to communicate information



Introduction

- Need an efficient way to communicate information
- Need an efficient way to sign up for volunteer activities



Introduction

- Need an efficient way to communicate information
- Need an efficient way to sign up for volunteer activities
- Need a reusable tool for future advisor(s)



Introduction

- Need an efficient way to communicate information
- Need an efficient way to sign up for volunteer activities
- Need a reusable tool for future advisor(s)
- Created instructional module in website using Weebly



Introduction

- Need an efficient way to communicate information
- Need an efficient way to sign up for volunteer activities
- Need a reusable tool for future advisor(s)
- Created instructional module in website using Weebly
- Module at www.edmodotraining.weebly.com



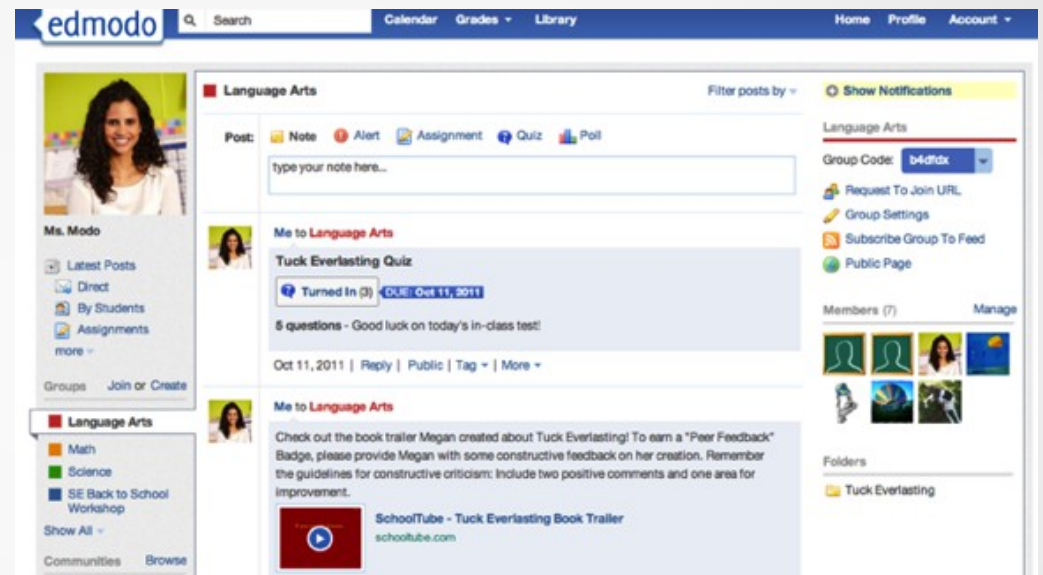
Why Edmodo?

- Similar to Facebook



Why Edmodo?

- Similar to Facebook
- Small learning curve



Why Edmodo?

- Similar to Facebook
- Small learning curve
- Accessible on many school networks



Why Edmodo?

- Similar to Facebook
- Small learning curve
- Accessible on many school networks
- Free!



Methods

- Information presented through web pages



Methods

- Information presented through web pages
 - How to create user account



Methods

- Information presented through web pages
 - How to create user account
 - How to create a group page, calendar



Methods

- Information presented through web pages
 - How to create user account
 - How to create a group page, calendar
 - How to create a small group page



Methods

- Information presented through web pages
 - How to create user account
 - How to create a group page, calendar
 - How to create a small group page
 - How to embed a Google form



Methods

- Information presented through web pages
 - How to create user account
 - How to create a group page, calendar
 - How to create a small group page
 - How to embed a Google form
- Instruction presented through YouTube videos



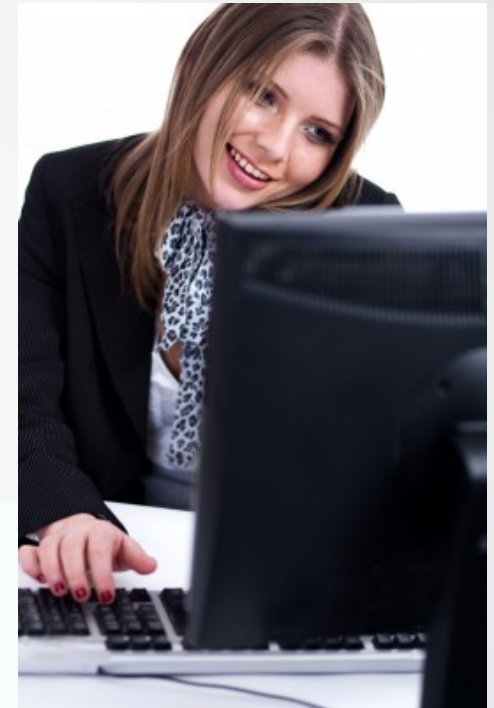
Methods

- Information presented through web pages
 - How to create user account
 - How to create a group page, calendar
 - How to create a small group page
 - How to embed a Google form
- Instruction presented through YouTube videos
- Data collected from tests and surveys



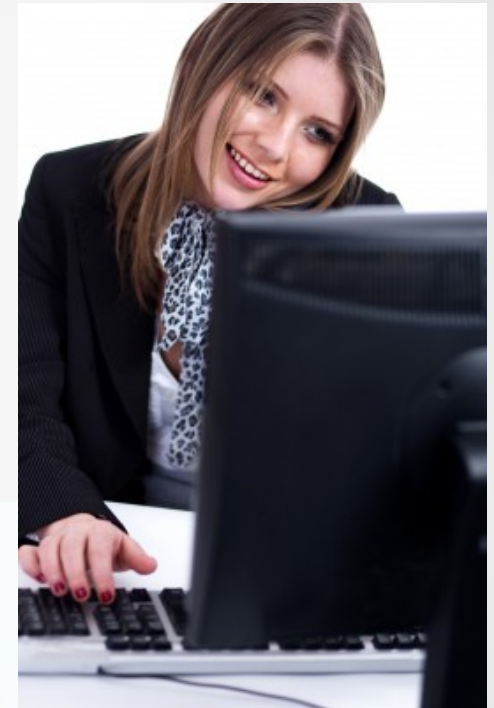
Module Testers

- Ten ETEC graduate students



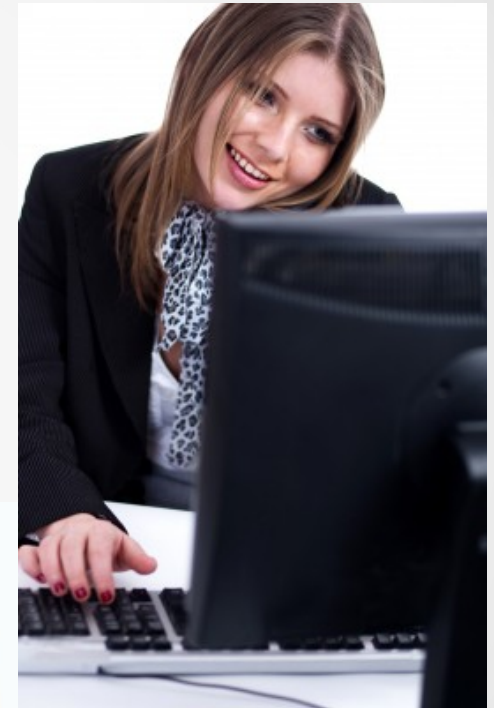
Module Testers

- Ten ETEC graduate students
- 6 females, 4 males



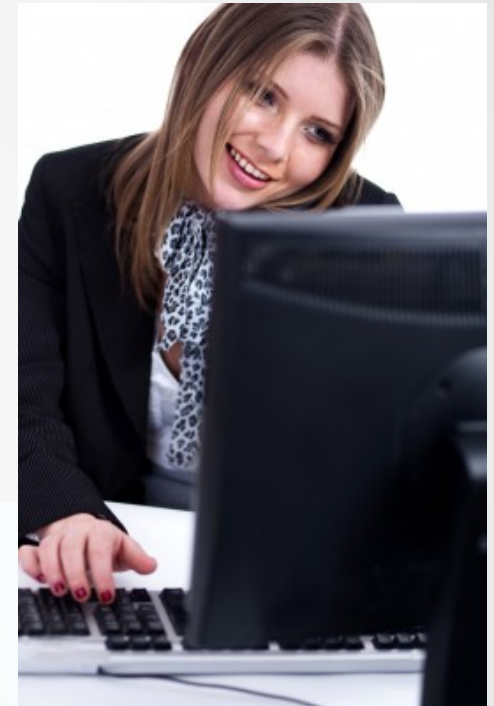
Module Testers

- Ten ETEC graduate students
- 6 females, 4 males
- Eight participants heard of Edmodo but do not have accounts



Module Testers

- Ten ETEC graduate students
- 6 females, 4 males
- Eight participants heard of Edmodo but do not have accounts
- Unable to use intended audience



Instructional Module-Consent Form

- Required for participation

Consent Form

Dear Research Participant,

You are receiving this message because you signed up to participate in the web-based instructional design module, ***Integrating Edmodo into a High School Service Club: To Promote Interactivity and Communication***. I ask if you are willing to participate in an online pre-module Demographic Survey, a post-module Attitudinal Survey. I wish to analyze the demographic and assessment data collected through anonymous online surveys.

The purpose of this instructional design module is to develop and evaluate a web-based instructional design module, ***Integrating Edmodo into the organizational structure of a high school service club, to promote online communication between the club adviser, officers, and members***. Your participation is completely voluntary and you may withdraw at any time. Your responses are completely anonymous.

Research data is confidential to the extent allowed by law. Agencies with research oversight, such as the Institutional Review Board (IRB) or the Committee on Human Studies, have the authority to review research data. By consenting to participate, you are not giving up any personal legal rights you may have as a participant in this study.

Instructional Module-ID Code

- Required for participation



Instructional Module-ID Code

- Required for participation
- Click to create unique ID code



Instructional Module-ID Code

- Required for participation
- Click to create unique ID code
- Used from widgia.com



Instructional Module-Demographic Survey

- Required for participation

Demographic Survey

Upon completion of this survey, please click on **SUBMIT**. Then scroll page and proceed to the **PRE-TEST**.

*** Required**

Participant Identification Code *

1. Agreed to Consent Form? *

- ☐ Yes
☐ No

2. Are you male or female? *

- ☐ Male
☐ Female

3. What is your age? *

- ☐ 18-21
☐ 22-25
☐ 26-30
☐ 31-40
☐ 41-50
☐ 51-60
☐ 61 or over

Instructional Module-Demographic Survey

- Required for participation
- 6 females, 4 males

Demographic Survey

Upon completion of this survey, please click on **SUBMIT**. Then scroll page and proceed to the **PRE-TEST**.

*** Required**

Participant Identification Code *

1. Agreed to Consent Form? *

- ☐ Yes
☐ No

2. Are you male or female? *

- ☐ Male
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☐ 22-25
☐ 26-30
☐ 31-40
☐ 41-50
☐ 51-60
☐ 61 or over

Instructional Module-Demographic Survey

- Required for participation
- 6 females, 4 males
- 7 aged <31 years

Demographic Survey

Upon completion of this survey, please click on **SUBMIT**. Then scroll page and proceed to the **PRE-TEST**.

*** Required**

Participant Identification Code *

1. Agreed to Consent Form? *

- ☐ Yes
☐ No

2. Are you male or female? *

- ☐ Male
☐ Female

3. What is your age? *

- ☐ 18-21
☐ 22-25
☐ 26-30
☐ 31-40
☐ 41-50
☐ 51-60
☐ 61 or over

Instructional Module-Demographic Survey

- Required for participation
- 6 females, 4 males
- 7 aged <31 years
- 6 hold a BA/BS degree, others have a Master's degree

Demographic Survey

Upon completion of this survey, please click on **SUBMIT**. Then scroll page and proceed to the **PRE-TEST**.

*** Required**

Participant Identification Code *

1. Agreed to Consent Form? *

☐ Yes

☐ No

2. Are you male or female? *

☐ Male

☐ Female

3. What is your age? *

☐ 18-21

☐ 22-25

☐ 26-30

☐ 31-40

☐ 41-50

☐ 51-60

☐ 61 or over

Instructional Module-Pre-Test

- 15 multiple-choice items

Pre-Test

Select the best answer choice for each question
click on **SUBMIT**. Then scroll to the bottom of the page

* Required

Participant Identification Code *

1. Edmodo is a: *

- ☐ antivirus software
- ☐ internet phone service
- ☐ online video game
- ☐ social networking tool

2. Edmodo was founded by: *

- ☐ Linus Torvalds
- ☐ Mark Zuckerberg
- ☐ Nic Borg and Jeff O'Hara
- ☐ Steve Jobs

3. Edmodo currently claims to connect _____ users *

- ☐ over 1 million
- ☐ over 5 million
- ☐ over 10 million
- ☐ over 15 million

Instructional Module-Pre-Test

- 15 multiple-choice items
- High score: 13

Pre-Test

Select the best answer choice for each question
click on **SUBMIT**. Then scroll to the bottom of the page

* Required

Participant Identification Code *

1. Edmodo is a: *

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- ☐ over 10 million
- ☐ over 15 million

Instructional Module-Pre-Test

- 15 multiple-choice items
- High score: 13
- Average score: 9.7

Pre-Test

Select the best answer choice for each question
click on **SUBMIT**. Then scroll to the bottom of the page

* Required

Participant Identification Code *

1. Edmodo is a: *

- ☐ antivirus software
- ☐ internet phone service
- ☐ online video game
- ☐ social networking tool

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- ☐ Steve Jobs

3. Edmodo currently claims to connect _____ users *

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- ☐ over 5 million
- ☐ over 10 million
- ☐ over 15 million

Instructional Module-Pre-Test

- 15 multiple-choice items
- High score: 13
- Average score: 9.7
- All scored 8 or higher

Pre-Test

Select the best answer choice for each question
click on **SUBMIT**. Then scroll to the bottom of the page

* Required

Participant Identification Code *

1. Edmodo is a: *

- ☐ antivirus software
- ☐ internet phone service
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- ☐ over 15 million

Instructional Module-Sections

- Participants proceed through four sections

Section 1: What is Edmodo?

Edmodo is a free, online social networking site for students, Edmodo connects users with each other and assignments.

Believing that a new type of classroom could emerge from how they learn in school, founders Nic Borg and Jeff Seaman set a goal. Since its release in 2008, Edmodo now has over 10 million users.

Instructional Module-Sections

- Participants proceed through four sections

Section 1: What is Edmodo?

Edmodo is a free, c
students, Edmodo c
assignments.

Believing that a new
how they learn in s
goal. Since its rele

Section 2: Why Use Edmodo?

There are numerous advantages to using Edmodo with
themes shared by Edmodo users include:

- It's free and easy to use!
- Interface is similar to Facebook, but easier to use!
- No download required!
- It's private and secure!
- It's ad free!
- Students are more connected!
- Calendars and events are easy to share!

Instructional Module-Sections

- Participants proceed through four sections

Section 1: What is Edmodo?

Edmodo is a free, c
students, Edmodo
assignments.

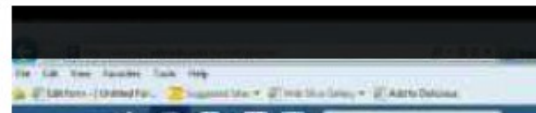
Section 2: Why Use Edmodo?

There are numerous advantages to using Edmodo with
themes shared by Edmodo users include:

Section 3: Using the Edmodo Calendar

For any service club, an events calendar is an absolute must, but easier to use!
activities. Events can be posted to a public calendar for all
that club members can identify meeting dates and volunteer
members can find out specific details about each event, such

Please watch this short video on how to add events to the Edmodo calendar to share!



Instructional Module-Sections

- Participants proceed through four sections

Section 1: What is Edmodo?

Edmodo is a free, c
students, Edmodo c
assignments.

Section 2: Why Use Edmodo?

There are numerous advantages to using Edmodo with
themes shared by Edmodo users include:

Section 3: Using the Edmodo Calendar

For any service club, an events calendar is an absolute must, but easier to use!
activities
that club

Section 4: Using a Google Form in Edmodo

member: Having an events calendar and posting updates in Edmodo are just
upcoming events. Club members also need an efficient way to sign
Please w advantage of Google Forms! It is a fast and convenient way to creat
names to each activity and will organize the list of volunteers accord
who signed up, but when they signed up for the activity. If only a lim
event, the time stamp can easily help you decide who goes. And if a
contact members who are further down the list.

How to Embed Google Forms into Edmodo

Instructional Module-Sections

- Participants proceed through four sections
- Watch embedded video

Section 1: What is Edmodo?

Edmodo is a free, c
students, Edmodo
assignments.

Section 2: Why Use Edmodo?

There are numerous advantages to using Edmodo with
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list of volunteers accord
the activity. If only a lim
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list.

into Edmodo

Instructional Module-Sections

- Participants proceed through four sections
- Watch embedded video
- Free to view or read instruction as often as necessary

Section 1: What is Edmodo?

Edmodo is a free, c
students, Edmodo
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Section 2: Why Use Edmodo?

There are numerous advantages to using Edmodo with
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list.

into Edmodo

Instructional Module-Post-Test

- Same 15 multiple choice items

Post-Test

Select the best answer choice for each question. Click on SUBMIT. Then scroll to the bottom of the page for the ANSWERS.

* Required

Participant Identification Code *

1. Edmodo is a: *

- ☐ antivirus software
- ☐ internet phone service
- ☐ online video game
- ☐ social networking tool

2. Edmodo was founded by: *

- ☐ Linus Torvalds
- ☐ Mark Zuckerberg
- ☐ Nic Borg and Jeff O'Hara
- ☐ Steve Jobs

3. Edmodo currently claims to connect _____ users *

- ☐ over 1 million
- ☐ over 5 million

Instructional Module-Post-Test

- Same 15 multiple choice items
- Check answers when finished

Post-Test

Select the best answer choice for each question. Click on SUBMIT. Then scroll to the bottom of the page for ANSWERS.

* Required

Participant Identification Code *

1. Edmodo is a: *

- ☐ antivirus software
- ☐ internet phone service
- ☐ online video game
- ☐ social networking tool

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- ☐ Steve Jobs

3. Edmodo currently claims to connect _____ users *

- ☐ over 1 million
- ☐ over 5 million

Instructional Module-Attitudinal Survey

- 11 questions, 5-point Likert scale

Attitudinal Survey

Thank you for participating in the instructional module. Please complete this survey about the online module and test results. Please read the questions carefully. The survey is based on a 5-point scale from 1 (Strongly Disagree) to 5 (Strongly Agree). Upon completion of this survey, please click on the button at the bottom of the page and click on the button to submit your responses.

* Required

Participant Identification Code *

1. The module was clear and easy to understand. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

2. The level of difficulty was about right for me. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

3. The length of the module was manageable. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

4. The examples in the module were helpful. *

Instructional Module-Attitudinal Survey

- 11 questions, 5-point Likert scale
- 2 open-ended questions

Attitudinal Survey

Thank you for participating in the instructional module. Please complete this survey about the online module and test results carefully. The survey is based on a 5-point scale from 1 (Strongly Disagree) to 5 (Strongly Agree). Upon completion of this survey, click on the button at the bottom of the page and click on the button to return to the main menu.

* Required

Participant Identification Code *

1. The module was clear and easy to understand. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

2. The level of difficulty was about right for me. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

3. The length of the module was manageable. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

4. The examples in the module were helpful. *

Instructional Module-Attitudinal Survey

- 11 questions, 5-point Likert scale
- 2 open-ended questions
- improvements

Attitudinal Survey

Thank you for participating in the instructional module. Please complete this survey about the online module and test your knowledge carefully. The survey is based on a 5-point scale from 1 (Strongly Disagree) to 5 (Strongly Agree). Upon completion of this survey, click on the button at the bottom of the page and click on the button to return to the main menu.

* Required

Participant Identification Code *

1. The module was clear and easy to understand. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

2. The level of difficulty was about right for me. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

3. The length of the module was manageable. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

4. The examples in the module were helpful. *

Instructional Module-Attitudinal Survey

- 11 questions, 5-point Likert scale
- 2 open-ended questions
 - improvements
 - changes

Attitudinal Survey

Thank you for participating in the instructional module. Please complete this survey about the online module and test your knowledge carefully. The survey is based on a 5-point scale from Strongly Disagree to Strongly Agree. Upon completion of this survey, you will be taken to the bottom of the page and click on the button to return to the main page.

* Required

Participant Identification Code *

1. The module was clear and easy to understand. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

2. The level of difficulty was about right for me. *

1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

3. The length of the module was manageable. *

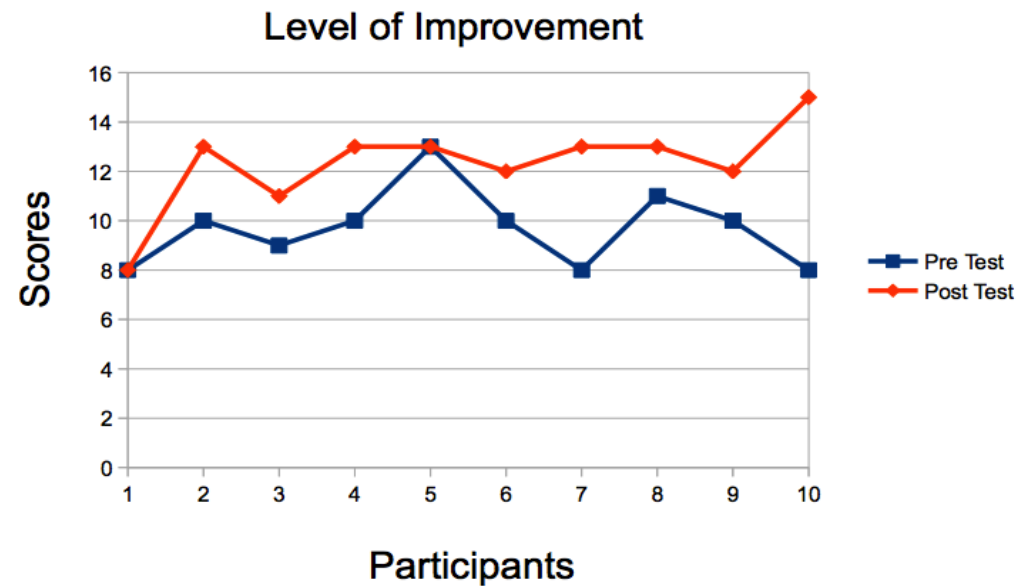
1 2 3 4 5

Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

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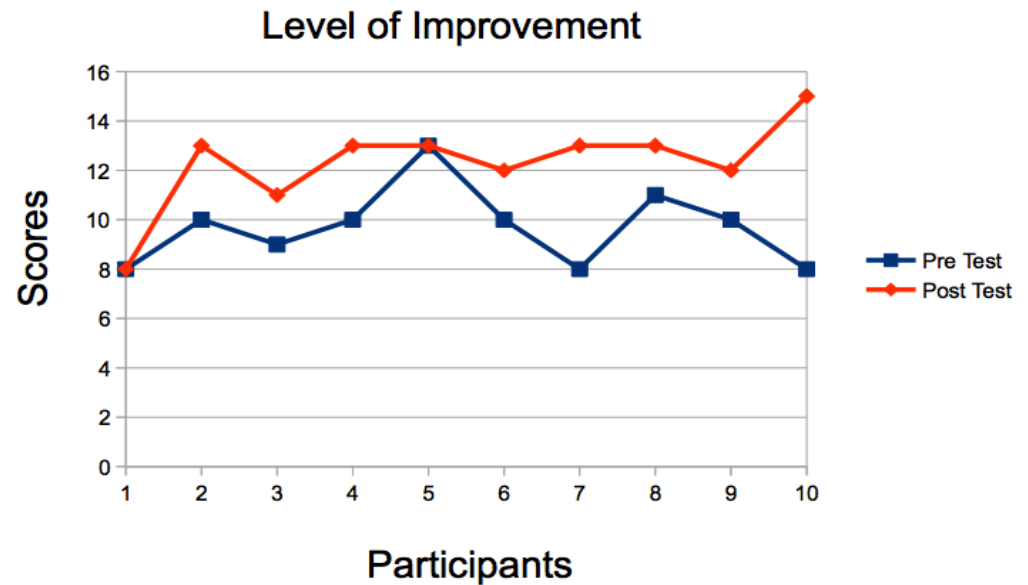
Results

- Eight improved scores



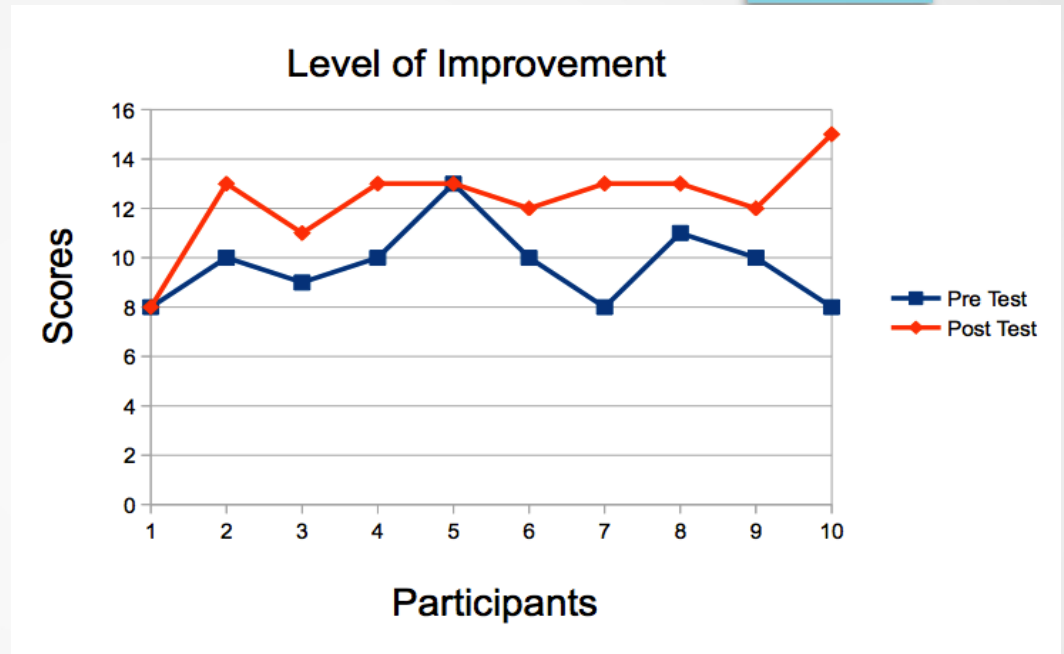
Results

- Eight improved scores
- Two show no change



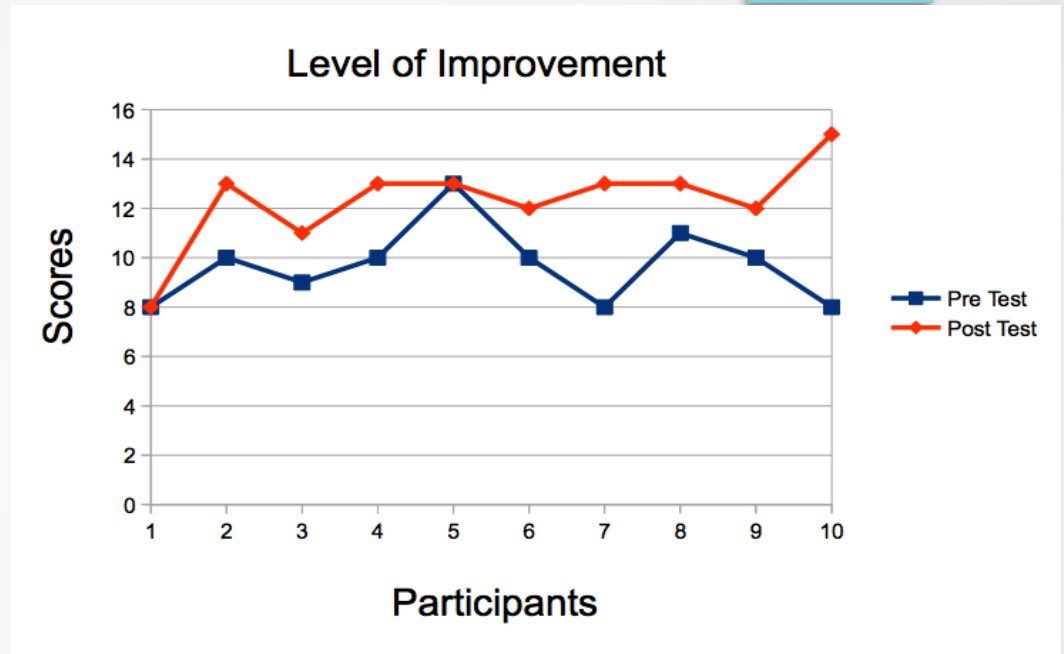
Results

- Eight improved scores
- Two show no change
- Module easy to understand



Results

- Eight improved scores
- Two show no change
- Module easy to understand
- Much room for improvement



Results

- Difficulty level was appropriate



Results

- Difficulty level was appropriate
- Module length was appropriate



Results

- Difficulty level was appropriate
- Module length was appropriate
- Instruction seemed straightforward



Results

- Difficulty level was appropriate
- Module length was appropriate
- Instruction seemed straightforward
- Video clips were appropriate



Results

- No handouts available for download



Results

- No handouts available for download
- No written steps next to videos



Results

- No handouts available for download
- No written steps next to videos
- No feedback provided after pre-test



Next Steps

- Future modules will need to focus on club organization



Next Steps

- Future modules will need to focus on club organization
- Instructional videos to be created by me



Next Steps

- Future modules will need to focus on club organization
- Instructional videos to be created by me
- Embed questions within module



Next Steps

- Future modules will need to focus on club organization
- Instructional videos to be created by me
- Embed questions within module
- Create handouts



Next Steps

- Future modules will need to focus on club organization
- Instructional videos to be created by me
- Embed questions within module
- Create handouts
- Consult with co-advisor



Many, Many Thanks!

- Critical Friends
- Ariana Eichelberger & ETEC Faculty
- Fellow ETEC students
- My family

A graphic of the words 'thank you!' in a playful, multi-colored font. The word 'thank' is on the top line and 'you!' is on the bottom line. The letters are in various colors: green, blue, yellow, red, and orange. The exclamation mark is orange.

thank
you!

Any Questions?

